


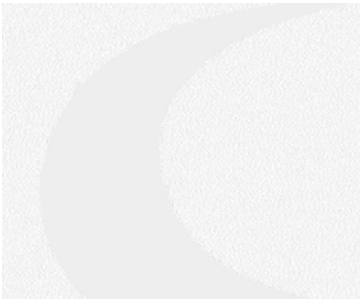
**LIST OF MAINTENANCE ACTIVITIES**


<b>Code</b>	<b>Activity Name</b>	<b>Work Unit</b>	<b>Inventory Unit</b>
542.300	<b>Roadway</b>		
.311	Grading	pass mile	gravel road mile
.312	Grading with roller	pass mile	gravel road mile
.313	Gravel Replacement	cubic yard	gravel road mile
.321	Pothole Repair	ton	paved road mile
.322	Crack Sealing	hours	paved road mile
.323	Blade Patching	ton	paved road mile
.324	Seal Coating / BST	road mile	paved road mile
.331	Shoulder Maintenance	shoulder mile	shoulder mile
.332	Shoulder Repair	cubic yard	shoulder mile
.390	Other Roadway Maint.	hours	road mile
542.400	<b>Drainage</b>		
.411	Ditching w/grader	ditch mile	ditch mile
.412	Ditching w/ditcher	ditch foot	ditch mile
.421	Culvert cleaning	culvert	culvert
.422	Culvert repair/repl.	lineal feet	culvert
.430	Catch basin cleaning	each	catch basin
.490	Other Drainage Maint.	hours	road mile
542.500	<b>Structures</b>		
.511	Bridge Maint	hours	bridges
.512	Bridge Repair	hours	bridges
.590	Other Bridge/Str Maint	hours	bridges
542.600	<b>Traffic</b>		
.610	Sidewalks	hours	sidewalks
.620	Special Purpose Paths	hours	paths
.641	Sign Maintenance	signs	signs
.642	Guardrail Maint/Repair	lineal feet	guardrail ft
.643	Pavement Markings	lineal feet	road mile
.660	Snow & Ice Control	hours	road mile
.670	Street Cleaning	hours	road mile
.690	Other Traffic Maint	hours	road mile
542.700	<b>Roadside Development</b>		
.712	Brush Control (Mech)	shoulder mile	shoulder mile
.713	Brush Control (Man)	hours	shoulder mile
.721	Chem Veg Control (Mech)	shoulder mile	shoulder mile
.722	Chem Veg Control (Man)	hours	shoulder mile
.731	Landscape Maint	hours	shoulder mile
.751	Litter Control	hours	shoulder mile
.761	Slope Repair	hours	shoulder mile
.790	Other Roadside Maint	hours	shoulder mile
542.800	<b>Ancillary Operations</b>	hours	year
542.900	<b>Administration</b>		
.910	Maint Admin	hours	year
.920	Shop / Yard	hours	year
.930	Road Patrol	hours	year
.990	Other Admin	hours	year


**SUGGESTED LIST OF MAINTENANCE ACTIVITIES**

<b>Code</b>	<b>Activity Name</b>	<b>Inventory Unit</b>
542.30	<b>Roadway</b>	
.31	Gravel Roads	gravel road mile
.32	Paved Roads	paved road mile
.33	Shoulders	shoulder mile
.39	Other Roadway Maint.	road mile
542.40	<b>Drainage</b>	
.41	Ditching	ditch mile
.42	Culverts	culvert
.43	Catch basins	catch basin
.49	Other Drainage Maint.	road mile
542.50	<b>Structures</b>	
.51	Bridges	bridges
.59	Other Structure Maint.	structures
542.60	<b>Traffic</b>	
.61	Sidewalks	sidewalks
.62	Special Purpose Paths	paths
.63	Sign Maintenance	signs
.64	Guardrail Maint/Repair	guardrail
.66	Snow & Ice Control	road mile
.67	Street Cleaning	road mile
.69	Other Traffic Maint	road mile
542.70	<b>Roadside Development</b>	
.71	Brush Control	shoulder mile
.72	Chemical Veg Control	shoulder mile
.73	Landscaping	shoulder mile
.75	Litter Control	shoulder mile
.76	Slope Repair	shoulder mile
.79	Other Roadside Maint	shoulder mile
542.80	<b>Ancillary Operations</b>	
542.90	<b>Admin. &amp; Overhead</b>	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b>							
		<b>ACTIVITY CODE:</b>							
		<b>MEASUREMENT UNIT:</b>							
<b>PERSONNEL/CREW COSTS</b>				<b>HOURLY</b>				<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
<b>CREW TOTAL</b>		0	0		0.00			#####	
<b>EQUIPMENT</b>				<b>HOURLY</b>				<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
<b>EQUIPMENT TOTAL</b>		0	0		0.00			#####	
<b>MATERIALS</b>			<b>UNIT</b>				<b>% TOTAL</b>		
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>COST</b>			<b>COST</b>		<b>COST</b>	
<b>MATERIALS TOTAL</b>		0	0		0.00			#####	
<b>CONTRACT SERVICES</b>						0.00	#####		
<b>SUMMARY:</b>									
<b>TOTAL DAILY COST</b>						0.00			
<b>AVERAGE DAILY ACCOMPLISHMENT</b>									
<b>UNIT COST (\$/UNIT)</b>						#DIV/0!			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
	<b>ACTIVITY NAME:</b>											
	<b>ACTIVITY CODE:</b>											
<b>ACTIVITY DESCRIPTION:</b>												
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>SCHEDULING CONSIDERATIONS:</b>												
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>						
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>										
<b>EQUIPMENT</b>												
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>										
<b>MATERIALS</b>												
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>						
<b>QUANTITY</b>						<b>MAINTENANCE FEATURE INVENTORY</b>						
<b>WORK UNIT</b>						<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>		
<b>PLANNING GUIDELINE APPROVAL</b>												
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>		

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>															
		<b>ACTIVITY NAME:</b> <i>GRADING</i>															
		<b>ACTIVITY CODE:</b> <i>311 (542.311)</i>															
<b>ACTIVITY DESCRIPTION:</b> <i>Blading, shaping and smoothing gravel roads to restore proper grade, shape and drainage.</i>																	
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>					
	X	X	X	X	X	X				X	X	X					
<b>SCHEDULING CONSIDERATIONS:</b> <i>Grading is performed when ruts, grooves, or holes cause inadequate drainage, uncomfortable ride, or poor road conditions. The frequency of grading depends upon weather, traffic, and surface stability. Schedule grading to take advantage of natural moisture.</i>																	
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>											
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Establish traffic control as necessary.</li> <li>2. Grader generally makes two or more passes per lane mile and back blades as necessary.</li> <li>3. Road should be worked in increments less than 2 miles and when adequate moisture exists.</li> </ol>												
L203	<i>Maint Worker III</i>		<i>1</i>														
<b>EQUIPMENT</b>																	
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>														
E101	<i>Grader</i>		<i>1</i>														
E102	<i>Pickup</i>		<i>1</i>														
						<b>REFERENCE AND SAFETY</b>											
<b>MATERIALS</b>																	
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>														
<b>AVERAGE DAILY ACCOMPLISHMENT</b>																	
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>										<b>UNIT</b>		<b>CODE</b>	
<i>4 to 12</i>		<i>pass miles</i>		<i>gravel road</i>										<i>miles</i>			
<b>PLANNING GUIDELINE APPROVAL</b>																	
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>							



WASHINGTON COUNTIES

Maintenance Management

ACTIVITY COSTING -- STANDARD DAILY COSTS

ACTIVITY NAME: GRADING

ACTIVITY CODE: 311

MEASUREMENT UNIT: pass mile


PERSONNEL/CREW COSTS				HOURLY RATE			% TOTAL COST	
CODE	CLASS	QTY	HOURS		COST			
L203	Maintenace Worker III	1	8	28.64	229.12			
CREW TOTAL		1	8		229.12		47%	

EQUIPMENT				HOURLY RATE			% TOTAL COST	
CODE	CLASS	QTY	HOURS		COST			
E101	Road Grader	1	8	28.00	224.00			
E102	Pickup	1	8	4.00	32.00			
EQUIPMENT TOTAL		2	16		256.00		53%	

MATERIALS		QTY	UNIT COST			% TOTAL COST	
CODE	CLASS			COST			
MATERIALS TOTAL		0	0		0.00		0%

CONTRACT SERVICES					0.00		0%	
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SUMMARY:				
TOTAL DAILY COST			485.12	
AVERAGE DAILY ACCOMPLISHMENT			12	pass miles
UNIT COST (\$/UNIT)			40.43	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>GRADING WITH ROLLER</i>											
		<b>ACTIVITY CODE:</b> <i>312 (542.312)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Blading, shaping and smoothing and compacting gravel roads to restore proper grade, shape and drainage.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>SCHEDULING CONSIDERATIONS:</b> <i>Grading is performed when ruts, grooves, or holes cause inadequate drainage, uncomfortable ride, or poor road conditions. The frequency of grading depends upon weather, traffic, and surface stability.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Establish traffic control as necessary.</li> <li>2. Rip road to remove washboarding.</li> <li>3. Grader makes two or more passes per lane mile.</li> <li>4. Work in increments less than 2 miles</li> <li>5. Apply water as needed to attain moisture</li> <li>6. Roll with roller and remove any large rocks</li> <li>7. Remove signs</li> </ol>									
	<i>Maint Worker III</i>	<i>3</i>											
	<i>Maint Worker II</i>	<i>1</i>											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
	<i>Road Grader</i>	<i>1</i>											
	<i>Steel Roller</i>	<i>1</i>											
	<i>Water truck</i>	<i>1</i>											
	<i>Pickup</i>	<i>1</i>		<b>REFERENCE AND SAFETY</b>									
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
<i>12</i>		<i>pass miles</i>				<i>gravel road</i>		<i>miles</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
	<b>ACTIVITY NAME:</b> <i>GRADING WITH ROLLER</i>							
	<b>ACTIVITY CODE:</b> <i>312</i>							
	<b>MEASUREMENT UNIT:</b> <i>pass mile</i>							

PERSONNEL/CREW COSTS				HOURLY			% TOTAL	
CODE	CLASS	QTY	HOURS	RATE	COST		COST	
	<i>Maintenace Worker III</i>	<i>3</i>	<i>8</i>	<i>28.64</i>	<i>687.36</i>			
	<i>Maintenace Worker I</i>	<i>1</i>	<i>8</i>	<i>19.28</i>	<i>154.24</i>			
<b>CREW TOTAL</b>		<b>4</b>	<b>16</b>		<b>841.60</b>		<b>63%</b>	


EQUIPMENT				HOURLY			% TOTAL	
CODE	CLASS	QTY	HOURS	RATE	COST		COST	
	<i>Road Grader</i>	<i>1</i>	<i>8</i>	<i>28.00</i>	<i>224.00</i>			
	<i>Steel Roler</i>	<i>1</i>	<i>8</i>	<i>20.00</i>	<i>160.00</i>			
	<i>Water truck</i>	<i>1</i>	<i>8</i>	<i>10.00</i>	<i>80.00</i>			
	<i>Pickup</i>	<i>1</i>	<i>8</i>	<i>4.00</i>	<i>32.00</i>			
<b>EQUIPMENT TOTAL</b>		<b>4</b>	<b>32</b>		<b>496.00</b>		<b>37%</b>	

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST		COST		COST	
<b>MATERIALS TOTAL</b>		<b>0</b>	<b>0</b>		<b>0.00</b>		<b>0%</b>	

<b>CONTRACT SERVICES</b>					<b>0.00</b>		<b>0%</b>	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			<b>1,337.60</b>	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			<b>12</b>	<b>pass miles</b>
<b>UNIT COST (\$/UNIT)</b>			<b>111.47</b>	




		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>												
		<b>ACTIVITY NAME:</b> GRAVEL REPLACEMENT / RE-GRAVELING												
		<b>ACTIVITY CODE:</b> 313 (542.313)												
<b>ACTIVITY DESCRIPTION:</b> <i>Blading and compacting gravel roads to restore cross section and grade, with the addition of crushed or screened rock to fill low spots and replace lost material.</i>														
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>		
			X	X						X	X			
<b>SCHEDULING CONSIDERATIONS:</b> <i>Perform on areas with severe potholes, washboard, rutting, raveling (loss of fines), or base rock showing.</i>														
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>								
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		1. Regraveling is performed when planned 2. Perform on roads which have lost a considerable amount of gravel 3. Place safety sign as necessary 4. Water road throughout operation 5. Blade surface material from road edges to center 6. Spread gravel along center 7. Blade and smooth to proper crown and grade 8. Compact surface and remove signs									
L203	Maint Worker III		4											
L202	Maint Worker II		2											
<b>EQUIPMENT</b>														
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>											
E101	Grader		1											
E102	Pickup		1											
E103	Dump Truck		3											
E110	Steel Roller		1											
E105	Water truck		1											
E106	Loader		1											
<b>MATERIALS</b>				<b>REFERENCE AND SAFETY</b>										
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>											
M301	5/8" crushed rock		150 cy											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>								
<b>QUANTITY</b>		<b>WORK UNIT</b>			<b>FEATURE</b>			<b>UNIT</b>			<b>CODE</b>			
150		cubic yards			gravel road			miles						
<b>PLANNING GUIDELINE APPROVAL</b>														
<b>BY:</b>					<b>EFFECTIVE DATE:</b>					<b>PREV:</b>				

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>GRAVEL REPLACEMENT/RE-GRAVELING</i>							
		<b>ACTIVITY CODE:</b> <i>313</i>							
		<b>MEASUREMENT UNIT:</b> <i>cubic yards</i>							
<b>PERSONNEL/CREW COSTS</b>					<b>HOURLY</b>			<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
L203	<i>Maint Worker III</i>	<i>4</i>	<i>8</i>	<i>28.64</i>		<i>916.48</i>			
L202	<i>Maint Worker II</i>	<i>2</i>	<i>8</i>	<i>22.36</i>		<i>357.76</i>			
	<b>CREW TOTAL</b>	<i>6</i>	<i>16</i>			<i>1,274.24</i>		<i>31%</i>	
<b>EQUIPMENT</b>					<b>HOURLY</b>			<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
E101	<i>Grader</i>	<i>1</i>	<i>8</i>	<i>28.00</i>		<i>224.00</i>			
E102	<i>Pickup</i>	<i>1</i>	<i>8</i>	<i>4.00</i>		<i>32.00</i>			
E103	<i>Dump Truck</i>	<i>3</i>	<i>8</i>	<i>21.00</i>		<i>504.00</i>			
E110	<i>Steel Roller</i>	<i>1</i>	<i>8</i>	<i>20.00</i>		<i>160.00</i>			
E105	<i>Water truck</i>	<i>1</i>	<i>8</i>	<i>10.00</i>		<i>80.00</i>			
E106	<i>Loader</i>	<i>1</i>	<i>8</i>	<i>4.00</i>		<i>32.00</i>			
	<b>EQUIPMENT TOTAL</b>	<i>8</i>	<i>48</i>			<i>1,032.00</i>		<i>25%</i>	
<b>MATERIALS</b>			<b>UNIT</b>					<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>COST</b>			<b>COST</b>		<b>COST</b>	
M301	<i>5/8" crushed rock</i>	<i>150</i>	<i>12.00</i>			<i>1,800.00</i>			
	<b>MATERIALS TOTAL</b>	<i>150</i>	<i>12.00</i>			<i>1,800.00</i>		<i>44%</i>	
<b>CONTRACT SERVICES</b>						<i>0.00</i>		<i>0%</i>	
<b>SUMMARY:</b>									
<b>TOTAL DAILY COST</b>						<i>4,106.24</i>			
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<i>150</i>	<i>cubic yards</i>		
<b>UNIT COST (\$/UNIT)</b>						<i>27.37</i>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>																									
	<b>ACTIVITY NAME:</b> <i>POTHOLE REPAIR</i>																									
	<b>ACTIVITY CODE:</b> <i>321 (542.321)</i>																									
<b>ACTIVITY DESCRIPTION:</b> <i>Patching asphalt pavement with cold or hot mix to repair potholes, localized depressions, breaks and other irregularities in paved surfaces.</i>																										
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>														
	X	X	X	X						X	X	X														
<b>SCHEDULING CONSIDERATIONS:</b> <i>Perform work as needed. Generally, potholes should be repaired as soon as possible.</i>																										
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>																				
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Place signs and safety devices as necessary</li> <li>2. Remove all loose materials from hole</li> <li>3. Ensure sides of patch area are vertical</li> <li>4. Place maintenance rock to within 2" of surface</li> <li>5. Place mix in hole and compact. Finish 1/2" above surrounding surface to allow for further compaction</li> <li>6. Sweep loose or excess material from surface</li> <li>7. Remove signs and safety devices</li> </ol>																					
L202	<i>Maint Worker II</i>		2																							
<b>EQUIPMENT</b>																										
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>																							
E107	<i>Patch Truck</i>		1																							
						<b>REFERENCE AND SAFETY</b>																				
<b>MATERIALS</b>																										
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>																							
M302	<i>cold mix</i>		2 ton																							
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>																				
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>																
2 - 6		tons				paved road		miles																		
<b>PLANNING GUIDELINE APPROVAL</b>																										
<b>BY:</b>					<b>EFFECTIVE DATE:</b>				<b>PREV:</b>																	

WASHINGTON COUNTIES Maintenance Management ACTIVITY COSTING -- STANDARD DAILY COSTS									
ACTIVITY NAME: <i>POTHOLE REPAIR</i>									
ACTIVITY CODE: <i>321</i>									
MEASUREMENT UNIT: <i>ton</i>									
<b>PERSONNEL/CREW COSTS</b>				<b>HOURLY</b>				<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
L202	<i>Maint Worker II</i>	2	8	28.64		458.24			
<b>CREW TOTAL</b>		2	8			458.24		76%	
<b>EQUIPMENT</b>				<b>HOURLY</b>				<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
E107	<i>Patch truck</i>	1	8	8.00		64.00			
<b>EQUIPMENT TOTAL</b>		1	8			64.00		11%	
<b>MATERIALS</b>			<b>UNIT</b>				<b>% TOTAL</b>		
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>COST</b>			<b>COST</b>		<b>COST</b>	
M302	<i>Cold mix</i>	2	40.00			80.00			
<b>MATERIALS TOTAL</b>		2	40.00			80.00		13%	
<b>CONTRACT SERVICES</b>						0.00		0%	
<b>SUMMARY:</b>									
<b>TOTAL DAILY COST</b>						602.24			
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						2	<i>ton</i>		
<b>UNIT COST (\$/UNIT)</b>						301.12			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>CRACK SEALING</i>											
		<b>ACTIVITY CODE:</b> 322 (542.322)											
<b>ACTIVITY DESCRIPTION:</b> <i>Cleaning, filling and sealing cracks in paved surfaces to prevent the passage of water into the base or subbase of the road. Not designed for use on areas of alligator cracking or where surface shows signs of base failure.</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b> X	<b>FEB</b> X	<b>MAR</b> X	<b>APR</b> X	<b>MAY</b> X	<b>JUN</b> X	<b>JUL</b> 	<b>AUG</b> 	<b>SEP</b> X	<b>OCT</b> X	<b>NOV</b> X	<b>DEC</b> X	
<b>SCHEDULING CONSIDERATIONS:</b> <i>Perform work to prevent water from penetrating and damaging the roadway surface. Performed on cracks greater than 1/4" wide. Perform when temperature is above 50 F and dry. Sand seal after application.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>			<b>QTY</b>		1. Place safety signs and devices 2. Clean cracks as necessary 3. Fill cracks with seal material 4. Cover crack filler lightly with sand 5. Remove safety signs and devices							
L202	Maint Worker II			3									
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>			<b>QTY</b>									
E102	Pickup			1									
E108	Air compressor			1									
E107	Patch truck			1									
<b>MATERIALS</b>						<b>REFERENCE AND SAFETY</b>							
<b>CODE</b>	<b>CLASS</b>			<b>QTY</b>									
M303	Liquid crack filler			100 gal									
M304	sand												
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
100 - 200		gallons				paved road		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>CRACK SEALING</i>									
	<b>ACTIVITY CODE:</b> 322									
	<b>MEASUREMENT UNIT:</b> <i>gal</i>									


PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E202	Maint Worker II	3	8	28.64		687.36			
<b>CREW TOTAL</b>		3	8			687.36		65%	

EQUIPMENT				HOURLY				% TOTAL	
CODE		QTY	HOURS	RATE		COST		COST	
E102	Pickup	1	8	4.00		32.00			
E108	Patch truck	1	8	10.00		80.00			
E107	Air compressor	1	8	6.00		48.00			
<b>EQUIPMENT TOTAL</b>		3	24			160.00		15%	
	<b>CLASS</b>								

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M303	crack sealer	100	2.00			200.00		
M304	sand	2	9.00			18.00		
<b>MATERIALS TOTAL</b>		102	11.00			218.00		20%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,065.36	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			100	gal
<b>UNIT COST (\$/UNIT)</b>			10.65	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>BLADE PATCHING</i>											
		<b>ACTIVITY CODE:</b> 323 (542.323)											
<b>ACTIVITY DESCRIPTION:</b> <i>Placing hot asphalt or emulsion mix to level surface irregularities and/or failures, settlement, and depressions</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
						X	X	X	X				
<b>SCHEDULING CONSIDERATIONS:</b> <i>Normally performed prior to seal coating or overlay. Also done to repari surface irregularities. Blade patching is performed at least 3 weeks before seal coating or overlay.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Place signs and safety devices as necessary</li> <li>2. Remove all loose materials from surface</li> <li>3. Apply tack coat to area</li> <li>4. Place, spread and shape mix in 1" layer</li> <li>5. Compact between layers with steel roller; roll layers with rubber-tired roller</li> <li>6. Finish patch flush with existing pavement surface</li> <li>7. Remove signs and safety devices</li> </ol>								
L203	<i>Maint Worker III</i>		5										
L202	<i>Maint Worker II</i>		3										
L205	<i>Flagger</i>		2										
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
E103	<i>Dump trucks</i>		3										
E101	<i>Grader</i>		1										
E109	<i>Distributor/Tack truck</i>		1										
E102	<i>Pickup</i>		3										
E110	<i>Steel roller</i>		1										
E111	<i>Plate compactor</i>		1										
<b>MATERIALS</b>						<b>REFERENCE AND SAFETY</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
M301	<i>Asphalt/Emulsion Mix</i>		150 ton										
M305	<i>Tack oil</i>		150 gal										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
150 - 300		tons				paved road		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>					<b>EFFECTIVE DATE:</b>					<b>PREV:</b>			

**WASHINGTON COUNTIES**  
**Maintenance Management**  
**ACTIVITY COSTING -- STANDARD DAILY COSTS**

**ACTIVITY NAME:** *BLADE PATCHING*

**ACTIVITY CODE:** 323

**MEASUREMENT UNIT:** *ton*

PERSONNEL/CREW COSTS				HOURLY				% TC
CODE	CLASS	QTY	HOURS	RATE		COST		CO
L203	Maint Worker III	5	8	28.64		1,145.60		
L202	Maint Worker II	3	8	22.36		536.64		
L201	Maint Worker I	2						
	<b>CREW TOTAL</b>	10	16			1,682.24		19%

EQUIPMENT				HOURLY				% TC
CODE	CLASS	QTY	HOURS	RATE		COST		CO
E103	Grader	1	8	28.00		224.00		
E101	Pickup	3	8	4.00		96.00		
E109	Dump Truck	3	8	21.00		504.00		
E102	Steel Roller	1	8	20.00		160.00		
E110	Distributor/Tack truck	1	8	60.00		480.00		
E111	Plate compactor	1	8	3.00		24.00		
E112	Broom	1	8	35.00		280.00		
	<b>EQUIPMENT TOTAL</b>	11	56			1,768.00		20%

MATERIALS			UNIT					% TC
CODE	CLASS	QTY	COST			COST		CO
M301	Hot Mix Class G	150	35.00			5,250.00		
M305	Tack oil	150	0.80			120.00		
	<b>MATERIALS TOTAL</b>	300	35.80			5,370.00		61%

<b>CONTRACT SERVICES</b>	0.00	0%
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<b>SUMMARY:</b>		
<b>TOTAL DAILY COST</b>	8,820.24	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>	150	<i>ton</i>
<b>UNIT COST (\$/UNIT)</b>	58.80	



[illegible]

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>SEAL COATING (Bituminous Surface Treatment)</i>											
		<b>ACTIVITY CODE:</b> 324 (542.324)											
<b>ACTIVITY DESCRIPTION:</b> <i>Application of emulsified asphalt material and aggregate on paved roadways to seal the surface, restore surface life, flexibility and skid resistance.</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
							X	X	X				
<b>SCHEDULING CONSIDERATIONS:</b> <i>Seal coating is typically performed on a 5-8 year rotation. Roadway failure repairs, patching, pre-leveling and sweeping are completed prior to seal coating. Temperature should be above 60 F.</i>													
<b>PERSONNEL</b>							<b>WORK CONSIDERATIONS</b>						
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		1. Sweep and clean prior to application 2. Establish traffic control--detour or 30 min. pilot car 3. Apply liquid asphalt at .45 gal/sq yd for emulsions 4. Spread aggregate uniformly at approx 30 lbs/sq yd 5. Raker follows chipperspreader and levels gravel 6. Set by rolling immediately after application 7. Control asphalt and aggregate to ensure aggregate retention without bleeding 8. Approximately 5 days after completion, broom any excess aggregate from road.									
L209	Supervisor	1											
L203	Maint Worker III	5											
L202	Maint Worker II	11											
L201	Maint Worker I	4											
<b>EQUIPMENT</b>							<b>REFERENCE AND SAFETY</b>						
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E103	Dump trucks	4											
E112	Rubber tired roller	1											
E109	Distributor	1											
E115	Chip spreader	1											
E102	Pickup	2											
E106	Loader	1											
E105	Water truck	1											
E112	Self propelled broom	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M307	CRS2 or CMS2 emul	15,000 gal											
M301	3/8" - 5/8" rock	400 cy											
M311	centerline markers												
<b>AVERAGE DAILY ACCOMPLISHMENT</b>							<b>MAINTENANCE FEATURE INVENTORY</b>						
<b>QUANTITY</b>	<b>WORK UNIT</b>			<b>FEATURE</b>	<b>UNIT</b>			<b>CODE</b>					
3	road miles			paved road	miles								
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>				<b>EFFECTIVE DATE:</b>				<b>PREV:</b>					

WASHINGTON COUNTIES Maintenance Management ACTIVITY COSTING -- STANDARD DAILY COSTS									
ACTIVITY NAME: SEAL COATING (Bituminous Surface Treatment)									
ACTIVITY CODE: 324									
MEASUREMENT UNIT: road mile									
PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	5	8	28.64		1,145.60			
L202	Maint Worker II	11	8	22.36		1,967.68			
L201	Maint Worker I	4	8	20.00		640.00			
L209	Supervisor	1	8	30.00		240.00			
CREW TOTAL		21	32			3,993.28		25%	
EQUIPMENT									
CODE	CLASS	QTY	HOURS	HOURLY RATE		COST		% TOTAL COST	
E103	Distributor	1	8	75.00		600.00			
E112	Pickup	6	8	4.00		192.00			
E109	Dump Truck	6	8	21.00		1,008.00			
E115	Rubber tired roller	1	8	20.00		160.00			
E102	Water truck	1	8	10.00		80.00			
E106	Chip spreader	1	8	90.00		720.00			
E105	Loader	1	8	35.00		280.00			
E112	Broom	1	8	35.00		280.00			
EQUIPMENT TOTAL		18	64			3,040.00		19%	
MATERIALS									
CODE	CLASS	QTY	UNIT COST				% TOTAL COST		
M307	CRS2 or CMS2 emul	15000	0.10			1,500.00			
M301	3/8" - 5/8" rock	400	18.00			7,200.00			
M311	centerline markers								
MATERIALS TOTAL						8,700.00		55%	
CONTRACT SERVICES					0.00		0%		
SUMMARY:									
TOTAL DAILY COST					15,733.28				
AVERAGE DAILY ACCOMPLISHMENT					3	road mile			
UNIT COST (\$/UNIT)					5,244.43				
324 Seal Coat (BST) cost									

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>SHOULDER BLADING</i>											
		<b>ACTIVITY CODE:</b> <i>331 (542.331)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Grading of gravel shoulder with a motor grader to restore line and slope</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
				X	X								
<b>SCHEDULING CONSIDERATIONS:</b> <i>Work is performed when shoulder drop off exceeds 1" or when extensive rutting, erosion, or loss of materials exists. Done to provide a uniform and level shoulder, matched to edge of paved surface. Performed prior to application of herbicides.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		1. Place safety signs and devices as necessary 2. Grade and shape with grader using two or more passes per shoulder mile 3. Perform when material is moist 4. Remove excess material from pavement edge 5. Remove safety signs and devices								
L203	<i>Maint Worker III</i>		2										
L202	<i>Maint Worker II</i>		2										
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
E101	<i>Grader</i>		1										
E102	<i>Pickup</i>		1										
E112	<i>Self propelled broom</i>		1										
						<b>REFERENCE AND SAFETY</b>							
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
4		<i>shoulder miles</i>				<i>shoulder</i>		<i>miles</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>					<b>EFFECTIVE DATE:</b>					<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>SHOULDER MAINTENANCE</i>							
		<b>ACTIVITY CODE:</b> <i>331</i>							
		<b>MEASUREMENT UNIT:</b> <i>shoulder mile</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL COST	
CODE	CLASS	QTY	HOURS	RATE		COST			
E203	Maint Worker III	2	8	28.64		458.24			
E202	Maint Worker II	2	8	23.00		368.00			
<b>CREW TOTAL</b>		4	16			826.24		61%	

EQUIPMENT				HOURLY				% TOTAL COST	
CODE	CLASS	QTY	HOURS	RATE		COST			
E101	Grader	1	8	28.00		224.00			
E102	Broom	1	8	35.00		280.00			
E112	Pickup	1	8	4.00		32.00			
<b>EQUIPMENT TOTAL</b>		3	24			536.00		39%	


MATERIALS			UNIT				% TOTAL COST	
CODE	CLASS	QTY	COST			COST		
<b>MATERIALS TOTAL</b>		0	0.00			0.00		0%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,362.24	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			4	<i>shoulder mile</i>
<b>UNIT COST (\$/UNIT)</b>			340.56	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>SHOULDER REPAIR</i>											
		<b>ACTIVITY CODE:</b> <i>332 (542.332)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Patching shoulder irregularities with granular material.</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
	X	X	X								X	X	
<b>SCHEDULING CONSIDERATIONS:</b> <i>Work is done to re-establish shoulder width, elevation and slope to allow proper road drainage and prevent shoulder erosion.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		1. Place safety signs and devices as necessary 2. Place additional material as needed 3. Compact granular material--gravel should be even with pavement edge 4. Remove excess material from pavement edge 5. Remove safety signs and devices								
L203	<i>Maint Worker III</i>		<i>2</i>										
L202	<i>Maint Worker II</i>		<i>2</i>										
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
E103	<i>Dump trucks</i>		<i>1</i>										
E102	<i>Pickup</i>		<i>1</i>										
E112	<i>Self propelled broom</i>		<i>1</i>										
						<b>REFERENCE AND SAFETY</b>							
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
M301	<i>Gravel</i>		<i>20 cy</i>										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>					
<i>20</i>		<i>cubic yards</i>		<i>shoulder</i>		<i>miles</i>							
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>SHOULDER REPAIR</i>							
		<b>ACTIVITY CODE:</b> 332							
		<b>MEASUREMENT UNIT:</b> <i>cubic yards</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E203	Maint Worker III	2	8	28.64		458.24			
E202	Maint Worker II	2	8	22.36		357.76			
<b>CREW TOTAL</b>		4	16			816.00		53%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E103	Dump Truck	1	8	21.00		168.00			
E102	Pickup	1	8	4.00		32.00			
E112	Loader	1	8	35.00		280.00			
<b>EQUIPMENT TOTAL</b>		3	24			480.00		31%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M301	3/4" crushed rock	20	12.00			240.00		
<b>MATERIALS TOTAL</b>		20	12.00			240.00		16%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,536.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			20	<i>cubic yards</i>
<b>UNIT COST (\$/UNIT)</b>			76.80	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>OTHER ROAD MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> <i>390 (542.390)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Any other road maintenance activity</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As needed</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>			<b>QTY</b>		1. Place safety signs and devices as necessary 2. Determine necessary labor, equipment and materials for type of work planned 3. Perform activity as needed 4. Clean work area 5. Remove safety signs and devices							
L202	Maint Worker II			2									
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>			<b>QTY</b>									
L102	Pickup			1									
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>			<b>QTY</b>									
M391	Misc			20									
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
16		hours				road		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>OTHER ROAD MAINTENANCE</i>							
		<b>ACTIVITY CODE:</b> 390							
		<b>MEASUREMENT UNIT:</b> <i>hour</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L202	Maint Worker II	2	8	22.36		357.76			
<b>CREW TOTAL</b>		2	8			357.76		87%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E102	Pickup	1	8	4.00		32.00			
<b>EQUIPMENT TOTAL</b>		1	8			32.00		8%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	Misc road materrials	20	1.00			20.00		
<b>MATERIALS TOTAL</b>		20	1.00			20.00		5%


  

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			409.76	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			16	<i>hour</i>
<b>UNIT COST (\$/UNIT)</b>			25.61	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>DITCHING WITH GRADER</i>											
		<b>ACTIVITY CODE:</b> <i>411 (542.411)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Clearing, cleaning and shaping ditch flow lines to ensure proper drainage. Includes clearing and cleaning culvert areas.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
						X	X	X	X	X			
<b>SCHEDULING CONSIDERATIONS:</b> <i>Clean ditches and culverts before flow is restricted or obstructed. Correct culvert erosion at inlet and outlet and loss of riprap and bank protection.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>				1. Place safety signs and devices as necessary 2. Cut ditch to proper shape and grade for flow 3. Avoid undercutting of slopes 4. Regrade backslope if necessary 5. Load and haul unsuitable material to disposal site 6. When cleaning at culvert ends, clean inlet/outlet ditches at least 50' beyond culvert ends 7. Clean area as required 8. Remove safety signs and devices							
L203	Maint Worker III	2											
L202	Maint Worker II	2											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E101	Grader	1											
E102	Pickup	1											
E112	Broom	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
2 - 4		ditch miles				ditch		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



WASHINGTON COUNTIES

Maintenance Management

ACTIVITY COSTING -- STANDARD DAILY COSTS

ACTIVITY NAME: *DITCHING WITH GRADER*

ACTIVITY CODE: *411*

MEASUREMENT UNIT: *ditch mile*


PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	2	8	28.64		458.24			
L202	Maint Worker II	2	8	22.36		357.76			
CREW TOTAL		4	16			816.00		62%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E101	Grader	1	8	28.00		224.00			
E102	Pickup	1	8	4.00		32.00			
E112	Broom	1	8	30.00		240.00			
EQUIPMENT TOTAL		3	24			496.00		38%	

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
MATERIALS TOTAL		0	0.00			0.00		0%

CONTRACT SERVICES						0.00		0%	
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SUMMARY:				
TOTAL DAILY COST			1,312.00	
AVERAGE DAILY ACCOMPLISHMENT			3	<i>ditch mile</i>
UNIT COST (\$/UNIT)			437.33	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>DITCHING WITH DITCHER/BACKHOE</i>											
		<b>ACTIVITY CODE:</b> <i>412 (542.412)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Clearing, cleaning and shaping ditch, front slope and lower back slope with a front end loader, backhoe or excavator.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
						X	X	X	X	X			
<b>SCHEDULING CONSIDERATIONS:</b> <i>Used on deep ditches. Scheduled during minimum water flow.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>				1. Place safety signs and devices as necessary 2. Cut ditch to proper shape and grade for flow 3. Avoid undercutting of slopes 4. Regrade backslope if necessary 5. Load and haul unsuitable material to disposal site 6. When cleaning at culvert ends, clean inlet/outlet ditches at least 50' beyond culvert ends 7. Clean area as required 8. Remove safety signs and devices							
L203	Maint Worker III	4											
L202	Maint Worker II	2											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E114	Excavator/Backhoe	1											
E103	Dump trucks	2											
E102	Pickup	2											
<b>MATERIALS</b>						<b>REFERENCE AND SAFETY</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
600		ditch feet				ditch		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>DITCHING WITH DITCHER</i>							
		<b>ACTIVITY CODE:</b> <i>412</i>							
		<b>MEASUREMENT UNIT:</b> <i>ditch feet</i>							
<b>PERSONNEL/CREW COSTS</b>					<b>HOURLY</b>			<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
L203	Maint Worker III	4	8	28.64		916.48			
L202	Maint Worker II	2	8	22.36		357.76			
	<b>CREW TOTAL</b>	6	16			1,274.24		59%	
<b>EQUIPMENT</b>					<b>HOURLY</b>			<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
E114	Excavator/ditcher	1	8	60.00		480.00			
E103	Pickup	2	8	4.00		64.00			
E102	Dump Truck	2	8	21.00		336.00			
	<b>EQUIPMENT TOTAL</b>	5	24			880.00		41%	
<b>MATERIALS</b>			<b>UNIT</b>					<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>COST</b>			<b>COST</b>		<b>COST</b>	
	<b>MATERIALS TOTAL</b>	0	0.00			0.00		0%	
<b>CONTRACT SERVICES</b>						0.00		0%	
<b>SUMMARY:</b>									
<b>TOTAL DAILY COST</b>						2,154.24			
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						600	<i>ditch feet</i>		
<b>UNIT COST (\$/UNIT)</b>						3.59			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>CULVERT CLEANING</i>											
		<b>ACTIVITY CODE:</b> <i>421 (542.421)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Removing obstructions and debris from culverts, inlet channel and outlet channel. Straightening bent ends and restoring headwalls and eroded areas around culvert inlet and outlet. Record condition in culvert log while performing routine cleaning.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>This is a preventative maintenance activity, but can also be used during flood related activities to monitor problem area culverts. Also for required maintenance activities identified during routine checks.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		1. Locate pickup safely off roadway 2. Remove and dispose of dirt and debris from culvert and/or from inlet and outlet 3. Inspect culvert and note if further cleaning or repair is needed 4. Notify supervisor if further work needed									
L203	Maint Worker III	1											
L202	Maint Worker II	1											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E102	Pickup	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>				<b>UNIT</b>		<b>CODE</b>			
10 - 30		culverts		culvert				each					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>CULVERT CLEANING</i>									
	<b>ACTIVITY CODE:</b> <i>421</i>									
	<b>MEASUREMENT UNIT:</b> <i>culverts</i>									


PERSONNEL/CREW COSTS					HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST		
L203	Maint Worker III	1	8	28.64		229.12				
L202	Maint Worker II	1	8	22.36		178.88				
<b>CREW TOTAL</b>		2	16			408.00		93%		

EQUIPMENT					HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST		
E102	Pickup	1	8	4.00		32.00				
<b>EQUIPMENT TOTAL</b>		1	8			32.00		7%		

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
<b>MATERIALS TOTAL</b>		0	0.00			0.00		0%

<b>CONTRACT SERVICES</b>						0.00		0%
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<b>SUMMARY:</b>							
<b>TOTAL DAILY COST</b>						440.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						20	<i>culverts</i>
<b>UNIT COST (\$/UNIT)</b>						22.00	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>CULVERT REPAIR/REPLACEMENT</i>											
		<b>ACTIVITY CODE:</b> 422 (542.422)											
<b>ACTIVITY DESCRIPTION:</b> <i>Install, replace or repair culverts to provide for drainage.</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
					X	X	X	X	X				
<b>SCHEDULING CONSIDERATIONS:</b> <i>Work performed to restore or improve roadway drainage. Normally done to enlarge existing culverts or catch basins, replace deteriorated pipe or to open up new drainage.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>				1. Place safety signs and devices as necessary 2. Excavate and remove existing culvert or portion of culvert to be repaired 3. Prepare bed for culvert 4. Backfill and compact material in 12"-15" lifts 5. Repair roadway surface 6. Clean work area 7. Remove safety signs and devices							
L203	Maint Worker III	2											
L202	Maint Worker II	4											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E106	Loader	1											
E103	Dump truck	2											
E102	Pickup	2											
						<b>REFERENCE AND SAFETY</b>							
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M301	backfill gravel	40 cy											
M308	culvert	40 ft											
M391	misc materials	40 \$											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>	<b>WORK UNIT</b>				<b>FEATURE</b>				<b>UNIT</b>				<b>CODE</b>
40	lineal feet				culvert				each				
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>					<b>EFFECTIVE DATE:</b>					<b>PREV:</b>			



		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>CULVERT REPAIR/REPLACEMENT</i>							
		<b>ACTIVITY CODE:</b> 422							
		<b>MEASUREMENT UNIT:</b> <i>lineal feet</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
	<i>Maint Worker III</i>	2	8	28.64		458.24			
	<i>Maint Worker II</i>	4	8	22.36		715.52			
<b>CREW TOTAL</b>		6	16			1,173.76		41%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E106	<i>Dump Truck</i>	2	8	21.00		336.00			
E103	<i>Pickup</i>	2	8	4.00		64.00			
E102	<i>Loader</i>	1	8	35.00		280.00			
<b>EQUIPMENT TOTAL</b>		5	24			680.00		24%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M301	<i>backfill gravel</i>	40	12.00			480.00		
M308	<i>culvert</i>	40	12.00			480.00		
M391	<i>misc materials</i>	20	1.00			20.00		
<b>MATERIALS TOTAL</b>		100	25.00			980.00		35%

<b>CONTRACT SERVICES</b>					0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			2,833.76	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			40	<i>lineal feet</i>
<b>UNIT COST (\$/UNIT)</b>			70.84	

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>																		
	<b>ACTIVITY NAME:</b> <i>CATCH BASIN CLEANING</i>																		
	<b>ACTIVITY CODE:</b> <i>430 (542.430)</i>																		
<b>ACTIVITY DESCRIPTION:</b> <i>Clean catch basin</i>																			
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>							
	X	X	X	X	X	X	X	X	X	X	X	X							
<b>SCHEDULING CONSIDERATIONS:</b> <i>Work performed to restore or improve capacity of drainage structure</i>																			
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		1. Place safety signs and devices as necessary 2. Clean catch basin manually and/or with Vactor truck 3. Clean work area 4. Remove safety signs and devices														
L203	<i>Maint. Worker III</i>		<i>2</i>																
L202	<i>Maint. Worker II</i>		<i>2</i>																
<b>EQUIPMENT</b>																			
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>																
E115	<i>Vactor truck</i>		<i>1</i>																
E103	<i>Dump truck</i>		<i>1</i>																
E102	<i>Pickup</i>		<i>1</i>																
					<b>REFERENCE AND SAFETY</b>														
<b>MATERIALS</b>																			
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>																
					<b>MAINTENANCE FEATURE INVENTORY</b>														
<b>AVERAGE DAILY ACCOMPLISHMENT</b>																			
<b>QUANTITY</b>		<b>WORK UNIT</b>											<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>		
<i>20</i>		<i>catch basins</i>											<i>catch basin</i>		<i>each</i>				
<b>PLANNING GUIDELINE APPROVAL</b>																			
<b>BY:</b>													<b>EFFECTIVE DATE:</b>				<b>PREV:</b>		

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>CATCH BASIN CLEANING</i>									
	<b>ACTIVITY CODE:</b> 430									
	<b>MEASUREMENT UNIT:</b> <i>catch basin</i>									

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	2	8	28.64		458.24			
L202	Maint Worker II	2	8	22.36		357.76			
<b>CREW TOTAL</b>		4	16			816.00		58%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E103	Dump Truck	1	8	21.00		168.00			
E102	Pickup	2	8	4.00		64.00			
E115	Vactor	1	8	45.00		360.00			
<b>EQUIPMENT TOTAL</b>		4	24			592.00		42%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
						0.00		
<b>MATERIALS TOTAL</b>		0	0.00			0.00		0%

<b>CONTRACT SERVICES</b>						0.00		0%
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,408.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			20	<i>catch basins</i>
<b>UNIT COST (\$/UNIT)</b>			70.40	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>OTHER DRAINAGE MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> <i>490 (542.490)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Other drainage maintenance not covered under other activities.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As needed.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<i>1. Place safety signs and devices as necessary</i> <i>2. Take measures to ensure that no contaminants get into moving water. See Best Management Practices (BMPs) for work near water course</i>									
L203	<i>Maint Worker III</i>	<i>1</i>											
L202	<i>Maint Worker II</i>	<i>1</i>											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E103	<i>Dump truck</i>	<i>1</i>											
E102	<i>Pickup</i>	<i>1</i>											
<b>REFERENCE AND SAFETY</b>													
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	<i>Misc road materials</i>	<i>20</i>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>					
<i>16</i>		<i>hours</i>		<i>road</i>		<i>mile</i>							
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>OTHER DRAINAGE MAINTENANCE</i>							
		<b>ACTIVITY CODE:</b> 490							
		<b>MEASUREMENT UNIT:</b> <i>hours</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
L202	Maint Worker II	1	8	22.36		178.88			
<b>CREW TOTAL</b>		2	16			408.00		65%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E103	Dump Truck	1	8	21.00		168.00			
E102	Pickup	1	8	4.00		32.00			
<b>EQUIPMENT TOTAL</b>		2	16			200.00		32%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	Misc road materials	20	1.00			20.00		
<b>MATERIALS TOTAL</b>		20	1.00			20.00		3%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			628.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			16	<i>hours</i>
<b>UNIT COST (\$/UNIT)</b>			39.25	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>BRIDGE/STRUCTURE MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> <i>511 (542.511)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Cleaning, maintaining, repairing bridge decks, railings, superstructure and headwalls.</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
			X	X	X	X	X	X					
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required from bridge maintenance report or as needed. Work method will vary on type of work required.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		1. Review inspection reports to determine the need for cleaning and/or repair 2. Identify necessary labor crew and equipment 3. Work method will vary as needed 4. Place safety signs and devices 5. Perform work as needed 6. Clean area of work 7. Remove safety signs and devices								
L203	<i>Maint Worker III</i>		<i>1</i>										
L202	<i>Maint Worker II</i>		<i>2</i>										
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
L102	<i>Pickup</i>		<i>1</i>										
L103	<i>Dump truck</i>		<i>1</i>										
					<b>REFERENCE AND SAFETY</b>								
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
<i>24</i>		<i>hours</i>				<i>bridge</i>		<i>each</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>BRIDGE/STRUCTURE MAINTENANCE</i>							
		<b>ACTIVITY CODE:</b> <i>511</i>							
		<b>MEASUREMENT UNIT:</b> <i>hours</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
L202	Maint Worker II	2	8	22.36		357.76			
<b>CREW TOTAL</b>		3	16			586.88		70%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E102	Pickup	1	8	4.00		32.00			
E103	Dump Truck	1	8	28.00		224.00			
						0.00			
						0.00			
						0.00			
						0.00			
<b>EQUIPMENT TOTAL</b>		2	16			256.00		30%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
						0.00		
<b>MATERIALS TOTAL</b>		0	0.00			0.00		0%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			842.88	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			24	hours
<b>UNIT COST (\$/UNIT)</b>			35.12	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>BRIDGE REPAIR</i>											
		<b>ACTIVITY CODE:</b> <i>512 (542.512)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Repairing bridge decks, railings, superstructure and headwalls.</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
						X	X	X	X				
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required from bridge maintenance report or as needed. Work method will vary on type of work required.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		1. Review inspection reports to determine the need for cleaning and/or repair 2. Identify necessary labor crew and equipment 3. Work method will vary as needed 4. Place safety signs and devices 5. Perform work as needed 6. Clean area of work 7. Remove safety signs and devices								
L203	<i>Maint Worker III</i>		<i>1</i>										
L202	<i>Maint Worker II</i>		<i>2</i>										
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
E102	<i>Pickup</i>		<i>2</i>										
E103	<i>Dump truck</i>		<i>2</i>										
					<b>REFERENCE AND SAFETY</b>								
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
M391	<i>Misc materials</i>		<i>100</i>										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
<i>24</i>		<i>hours</i>				<i>bridge</i>		<i>each</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>BRIDGE REPAIR</i>							
		<b>ACTIVITY CODE:</b> <i>512</i>							
		<b>MEASUREMENT UNIT:</b> <i>hours</i>							


PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
L202	Maint Worker II	2	8	22.36		357.76			
<b>CREW TOTAL</b>		3	16			586.88		62%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E102	Pickup	1	8	4.00		32.00			
E103	Dump Truck	1	8	28.00		224.00			
<b>EQUIPMENT TOTAL</b>		2	16			256.00		27%	

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	Misc materials	100	1.00			100.00		
<b>MATERIALS TOTAL</b>		100	1.00			100.00		11%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			942.88	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			24	hours
<b>UNIT COST (\$/UNIT)</b>			39.29	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>OTHER BRIDGE/STRUCTURE MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> <i>590 (542.590)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Other bridge repair and heavy maintenance activities.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required from bridge maintenance report or as needed. Work method will vary on type of work required.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<i>1. Place safety signs and devices as necessary  2. Take measures to ensure that no contaminants get into moving water. See Best Management Practices (BMPs) for work near water course</i>									
L203	<i>Maint Worker III</i>	<i>1</i>											
L202	<i>Maint Worker II</i>	<i>2</i>											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E103	<i>Dump truck</i>	<i>1</i>											
E102	<i>Pickup</i>	<i>1</i>											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	<i>Misc materials</i>	<i>40</i>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
<i>24</i>		<i>hours</i>				<i>bridge</i>		<i>each</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>OTHERBRIDGE/STRUCTURE MAINTENANCE</i>							
		<b>ACTIVITY CODE:</b> 590							
		<b>MEASUREMENT UNIT:</b> <i>hours</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
L202	Maint Worker II	2	8	22.36		357.76			
<b>CREW TOTAL</b>		3	16			586.88		66%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E102	Pickup	1	8	4.00		32.00			
E103	Dump Truck	1	8	28.00		224.00			
<b>EQUIPMENT TOTAL</b>		2	16			256.00		29%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	Misc materials	40	1.00			40.00		
<b>MATERIALS TOTAL</b>		40	1.00			40.00		5%


  

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			882.88	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			24	<i>hours</i>
<b>UNIT COST (\$/UNIT)</b>			36.79	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>SIDEWALK MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> <b>610</b> (542.610)											
<b>ACTIVITY DESCRIPTION:</b> <i>Minor sidewalk repair to correct spalling, chipping, grade separation, and/or broken area.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>Performed when sidewalk condition is a hazard to pedestrians.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		1. Determine necessary crew, equipment and materials for maintenance operation 2. Place safety signs and devices 3. Clean, repair or replace as necessary 4. Clean work area 6. Dispose of waste material properly 7. Remove safety signs and devices									
L203	Maint Worker III	1											
L202	Maint Worker II	1											
<b>EQUIPMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E102	Pickup	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	Misc materials	40											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
16		hours				sidewalk		lineal feet					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



WASHINGTON COUNTIES

Maintenance Management

ACTIVITY COSTING -- STANDARD DAILY COSTS

ACTIVITY NAME: SIDEWALK MAINTENANCE

ACTIVITY CODE: 610

MEASUREMENT UNIT: hours


PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
L202	Maint Worker II	1	8	22.36		178.88			
CREW TOTAL		2	16			408.00		85%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E102	Pickup	1	8	4.00		32.00			
						0.00			
EQUIPMENT TOTAL		1	8			32.00		7%	

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	Misc materials	40	1.00			40.00		
MATERIALS TOTAL		40	1.00			40.00		8%

CONTRACT SERVICES						0.00		0%	
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SUMMARY:							
TOTAL DAILY COST						480.00	
AVERAGE DAILY ACCOMPLISHMENT						16	hours
UNIT COST (\$/UNIT)						30.00	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>SPECIAL PURPOSE PATHS</i>											
		<b>ACTIVITY CODE:</b> <i>620 (542.620)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Cutting brush, mowing or clearing path</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
					X	X	X	X	X				
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>				1. Determine necessary crew, equipment and materials for maintenance operation 2. Place safety signs and devices 3. Clean, repair or replace as necessary 4. Clean work area 6. Dispose of waste material properly 7. Remove safety signs and devices							
L203	Maint Worker III	1											
L202	Maint Worker II	1											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
L102	Pickup	1											
<b>REFERENCE AND SAFETY</b>													
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	Misc materials	40											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
16		hours				paths		lineal feet					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>SPECIAL PURPOSE PATHS</i>									
	<b>ACTIVITY CODE:</b> 620									
	<b>MEASUREMENT UNIT:</b> <i>hours</i>									

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
L202	Maint Worker II	1	8	22.36		178.88			
<b>CREW TOTAL</b>		2	16			408.00		85%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E102	Pickup	1	8	4.00		32.00			
<b>EQUIPMENT TOTAL</b>		1	8			32.00		7%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	Misc materials	40	1.00			40.00		
<b>MATERIALS TOTAL</b>		40	1.00			40.00		8%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>							
<b>TOTAL DAILY COST</b>						480.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						16	<i>hours</i>
<b>UNIT COST (\$/UNIT)</b>						30.00	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>SIGN MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> <i>641 (542.641)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Maintenance of signs and traffic control devices</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
	X	X	X	X	X	X	X	X	X	X	X	X	
<b>SCHEDULING CONSIDERATIONS:</b> <i>Maintain signs and traffic control devices</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		1. Place safety signs and devices as necessary 2. Clean, repair and/or replace traffic signs in accordance with the Uniform Traffic Control Devices manual. 3. Remove safety signs and devices								
L206	<i>Sign tech</i>		<i>2</i>										
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
E119	<i>Sign truck</i>		<i>1</i>										
<b>MATERIALS</b>				<b>REFERENCE AND SAFETY</b>									
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
M392	<i>sign materials</i>		<i>100</i>										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
<i>10</i>		<i>signs</i>				<i>signs</i>		<i>each</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>SIGN MAINTENANCE</i>									
	<b>ACTIVITY CODE:</b> <i>641</i>									
	<b>MEASUREMENT UNIT:</b> <i>signs</i>									

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L206	<i>Sign Tech</i>	<i>2</i>	<i>8</i>	<i>28.64</i>		<i>458.24</i>			
<b>CREW TOTAL</b>		<i>2</i>	<i>8</i>			<i>458.24</i>		<i>74%</i>	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E119	<i>Utility/Sign truck</i>	<i>1</i>	<i>8</i>	<i>8.00</i>		<i>64.00</i>			
<b>EQUIPMENT TOTAL</b>		<i>1</i>	<i>8</i>			<i>64.00</i>		<i>10%</i>	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M392	<i>sign materials</i>	<i>100</i>	<i>1.00</i>			<i>100.00</i>		
<b>MATERIALS TOTAL</b>		<i>100</i>	<i>1.00</i>			<i>100.00</i>		<i>16%</i>

<b>CONTRACT SERVICES</b>						<i>0.00</i>		<i>0%</i>	
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<b>SUMMARY:</b>							
<b>TOTAL DAILY COST</b>						<i>622.24</i>	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<i>10</i>	<i>signs</i>
<b>UNIT COST (\$/UNIT)</b>						<i>62.22</i>	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>GUARDRAIL REPAIR</i>											
		<b>ACTIVITY CODE:</b> <i>642 (542.642)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Repair of guardrail</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>				1. Place safety signs and devices as necessary 2. Repair and/or replace guardrail in accordance with the Uniform Traffic Control Devices manual. 3. Remove safety signs and devices							
L206	<i>Sign tech</i>	2											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E119	<i>Sign/utility truck</i>	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	<i>guardrail materials</i>	100											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
60		<i>lineal feet</i>				<i>guardrail</i>		<i>lineal feet</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>SIGN MAINTENANCE</i>									
	<b>ACTIVITY CODE:</b> <i>640</i>									
	<b>MEASUREMENT UNIT:</b> <i>lineal feet</i>									

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L206	<i>Sign Tech</i>	2	8	28.64		458.24			
<b>CREW TOTAL</b>		2	8			458.24		74%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E119	<i>Utility/Sign truck</i>	1	8	8.00		64.00			
<b>EQUIPMENT TOTAL</b>		1	8			64.00		10%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	<i>guardrail materials</i>	100	1.00			100.00		
<b>MATERIALS TOTAL</b>		100	1.00			100.00		16%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>							
<b>TOTAL DAILY COST</b>						622.24	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						60	<i>lineal feet</i>
<b>UNIT COST (\$/UNIT)</b>						10.37	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>TRAFFIC MARKINGS</i>											
		<b>ACTIVITY CODE:</b> 643 (542.643)											
<b>ACTIVITY DESCRIPTION:</b> <i>Placement of traffic markings including striping and markers</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<i>1. Place safety signs and devices as necessary</i> <i>2. Place markings in accordance with the Uniform Traffic Control Devices manual.</i> <i>3. Remove safety signs and devices</i>									
L206	<i>Sign tech</i>	2											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E119	<i>Sign/utility truck</i>	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M392	<i>misc sign materials</i>	900											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>				<b>UNIT</b>		<b>CODE</b>			
2000		<i>lineal feet</i>		<i>paved road</i>				<i>mile</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>TRAFFIC MARKINGS</i>							
		<b>ACTIVITY CODE:</b> 643							
		<b>MEASUREMENT UNIT:</b> <i>lineal feet</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L206	<i>Sign Tech</i>	2	8	28.64		458.24			
<b>CREW TOTAL</b>		2	8			458.24		32%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E119	<i>Utility/Sign truck</i>	1	8	8.00		64.00			
<b>EQUIPMENT TOTAL</b>		1	8			64.00		4%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M392	<i>Misc sign materials</i>	900	1.00			900.00		
<b>MATERIALS TOTAL</b>		900	1.00			900.00		63%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,422.24	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			2000	<i>lineal feet</i>
<b>UNIT COST (\$/UNIT)</b>			0.71	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>SNOW &amp; ICE CONTROL</i>											
		<b>ACTIVITY CODE:</b> <i>660 (542.660)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Snow removal and application of sand and/or chemicals on roadway surfaces.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X							X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>Prepare for this activity when weather forecast predicts appreciable snowfall or icing conditions. Consult snow removal policy.</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<i>1. Apply abrasives or de-icing chemical on planned and assigned routes at spots or continuous locations</i> <i>2. Plow snow along assigned routes and as per snow removal policy on prioritized roads</i>									
L203	<i>Maint Worker III</i>	<i>1</i>											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E103	<i>Dump truck w/plow</i>	<i>1</i>											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M304	<i>sand/salt mixture</i>												
M309	<i>anti-icing chemical</i>												
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
<i>8</i>		<i>hours</i>				<i>road</i>		<i>miles</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>SNOW &amp; ICE CONTROL</i>									
	<b>ACTIVITY CODE:</b> <i>660</i>									
	<b>MEASUREMENT UNIT:</b> <i>hours</i>									

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
<b>CREW TOTAL</b>		1	8			229.12		33%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E103	Dump Truck w/plow	1	8	28.00		224.00			
<b>EQUIPMENT TOTAL</b>		1	8			224.00		32%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M304	sand	20	12.00			240.00		
M309	de-icer							
<b>MATERIALS TOTAL</b>		20	12.00			240.00		35%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			693.12	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			8	hours
<b>UNIT COST (\$/UNIT)</b>			86.64	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>STREET CLEANING</i>											
		<b>ACTIVITY CODE:</b> <i>670 (542.670)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Cleaning of road surface</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As needed</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Check equipment and warning devices</li> <li>2. Place safety signs as necessary</li> <li>3. Use water to flush street to reduce dust (op)</li> <li>4. Sweep area</li> <li>5. Pick up waste material. Haul and dispose</li> <li>6. Remove safety signs</li> </ol>									
L203	<i>Maint Worker III</i>	<i>1</i>											
L202	<i>Maint Worker II</i>	<i>3</i>											
<b>EQUIPMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E120	<i>Vacuum Sweeper</i>	<i>1</i>											
E102	<i>Pickup</i>	<i>1</i>											
E105	<i>Water truck</i>	<i>1</i>											
E112	<i>Broom (op)</i>	<i>1</i>											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>					
<i>32</i>		<i>hours</i>		<i>road</i>		<i>miles</i>							
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>STREET CLEANING</i>									
	<b>ACTIVITY CODE:</b> 670									
	<b>MEASUREMENT UNIT:</b> <i>hours</i>									

PERSONNEL/CREW COSTS					HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS		RATE		COST		COST	
L203	Maint Worker III	1	8		28.64		229.12			
L202	Maint Worker II	3	8		22.36		536.64			
<b>CREW TOTAL</b>		4	16				765.76		46%	

EQUIPMENT					HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS		RATE		COST		COST	
E120	Vacuum sweeper	1	8		60.00		480.00			
E102	Pickup	1	8		4.00		32.00			
E105	Water truck	1	8		15.00		120.00			
E112	Broom	1	8		35.00		280.00			
<b>EQUIPMENT TOTAL</b>		4	32				912.00		54%	


MATERIALS			UNIT					% TOTAL	
CODE	CLASS	QTY	COST			COST		COST	
						0.00			
<b>MATERIALS TOTAL</b>		0	0.00			0.00		0%	


  

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,677.76	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			32	hours
<b>UNIT COST (\$/UNIT)</b>			52.43	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>OTHER TRAFFIC MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> 690 (542.690)											
<b>ACTIVITY DESCRIPTION:</b> <i>Other traffic control maintenance activities.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		1. Place safety signs as necessary 2. Perform activity as needed 3. Clean area 4. Remove safety signs and devices									
L206	<i>Sign tech</i>	2											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E119	<i>Sign truck</i>	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M392	<i>Misc sign materials</i>	60											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>				<b>UNIT</b>		<b>CODE</b>	
16		hours				road				miles			
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



WASHINGTON COUNTIES

Maintenance Management

ACTIVITY COSTING -- STANDARD DAILY COSTS

ACTIVITY NAME: OTHER TRAFFIC MAINTENANCE

ACTIVITY CODE: 690

MEASUREMENT UNIT: hours


PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L206	Sign tech	2	8	28.64		458.24			
CREW TOTAL		2	8			458.24		67%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E119	Sign truck/Utility truck	1	8	21.00		168.00			
EQUIPMENT TOTAL		1	8			168.00		24%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M392	Misc sign materials	60	1.00			60.00		
MATERIALS TOTAL		60	1.00			60.00		9%

CONTRACT SERVICES						0.00		0%	
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SUMMARY:							
TOTAL DAILY COST						686.24	
AVERAGE DAILY ACCOMPLISHMENT						16	hours
UNIT COST (\$/UNIT)						42.89	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>BRUSH CONTROL--MECHANICAL</i>											
		<b>ACTIVITY CODE:</b> <i>712 (542.712)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Control of vegetation using brush machines</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required for work on road right-of-way</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		1. Identify work areas 2. Check equipment before leaving shop 3. Place safety signs and devices 4. Establish communication system if necessary 5. Cut brush and small trees approx 8 feet beyond ditch line 6. Chip brush and tree limbs with chipper 7. Clean roadway of debris 8. Remove safety signs and devices									
L203	<i>Maint Worker III</i>	<i>1</i>											
L202	<i>Maint Worker II</i>	<i>2</i>											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E121	<i>Mower/brush cutter</i>	<i>1</i>											
E102	<i>Pickup</i>	<i>1</i>											
<b>REFERENCE AND SAFETY</b>													
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	<i>Misc materials</i>	<i>40</i>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
<i>3</i>		<i>shoulder mile</i>				<i>shoulder</i>		<i>miles</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>BRUSH CONTROL--MECHANICAL</i>							
		<b>ACTIVITY CODE:</b> 712							
		<b>MEASUREMENT UNIT:</b> <i>hours</i>							
<b>PERSONNEL/CREW COSTS</b>					<b>HOURLY</b>			<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
L203	<i>Maint Worker III</i>	<i>1</i>	<i>8</i>	<i>28.64</i>		<i>229.12</i>			
L202	<i>Maint Worker II</i>	<i>2</i>	<i>8</i>	<i>22.36</i>		<i>357.76</i>			
<b>CREW TOTAL</b>		<b>3</b>	<b>16</b>			<b>586.88</b>		<b>50%</b>	
<b>EQUIPMENT</b>					<b>HOURLY</b>			<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
E121	<i>Mower</i>	<i>1</i>	<i>8</i>	<i>60.00</i>		<i>480.00</i>			
E102	<i>Pickup</i>	<i>2</i>	<i>8</i>	<i>4.00</i>		<i>64.00</i>			
<b>EQUIPMENT TOTAL</b>		<b>3</b>	<b>16</b>			<b>544.00</b>		<b>46%</b>	
<b>MATERIALS</b>			<b>UNIT</b>					<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>COST</b>			<b>COST</b>		<b>COST</b>	
M391	<i>Misc materials</i>	<i>40</i>	<i>1.00</i>			<i>40.00</i>			
<b>MATERIALS TOTAL</b>		<b>40</b>	<b>1.00</b>			<b>40.00</b>		<b>3%</b>	
<b>CONTRACT SERVICES</b>						<b>0.00</b>		<b>0%</b>	
<b>SUMMARY:</b>									
<b>TOTAL DAILY COST</b>						<b>1,170.88</b>			
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>3</b>	<i>shoulder mile</i>		
<b>UNIT COST (\$/UNIT)</b>						<b>390.29</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>BRUSH CONTROL--MANUAL</i>											
		<b>ACTIVITY CODE:</b> <i>713 (542.713)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Control of roadside brush using manual methods</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required for control of vegetation to maintain drainage and site distance</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Identify work areas</li> <li>2. Check equipment before leaving shop</li> <li>3. Place safety signs and devices</li> <li>4. Establish communication system if necessary</li> <li>5. Cut brush and small trees approx 8 feet beyond ditch line</li> <li>6. Chip brush and tree limbs with chipper</li> <li>7. Clean roadway of debris</li> <li>8. Remove safety signs and devices</li> </ol>									
L203	Maint Worker III	2											
L202	Maint Worker II	4											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E117	Chainsaw	1											
E103	Dump truck	1											
E102	Pickup	2											
E116	Chipper	1											
<b>MATERIALS</b>				<b>REFERENCE AND SAFETY</b>									
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	Misc materials	40											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
48		hours				shoulder		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>BRUSH CONTROL--MANUAL</i>							
		<b>ACTIVITY CODE:</b> <i>713</i>							
		<b>MEASUREMENT UNIT:</b> <i>hours</i>							
<b>PERSONNEL/CREW COSTS</b>					<b>HOURLY</b>			<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
L203	<i>Maint Worker III</i>	2	8	28.64		458.24			
L202	<i>Maint Worker II</i>	4	8	22.36		715.52			
	<b>CREW TOTAL</b>	6	16			1,173.76		69%	
<b>EQUIPMENT</b>					<b>HOURLY</b>			<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>HOURS</b>	<b>RATE</b>		<b>COST</b>		<b>COST</b>	
E116	<i>Chipper</i>	1	8	25.00		200.00			
E102	<i>Pickup</i>	2	8	4.00		64.00			
E103	<i>Dump Truck</i>	1	8	21.00		168.00			
E117	<i>Chainsaw</i>	2	8	3.00		48.00			
	<b>EQUIPMENT TOTAL</b>	6	32			480.00		28%	
<b>MATERIALS</b>			<b>UNIT</b>					<b>% TOTAL</b>	
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>	<b>COST</b>			<b>COST</b>		<b>COST</b>	
M391	<i>Misc materials</i>	40	1.00			40.00			
	<b>MATERIALS TOTAL</b>	40	1.00			40.00		2%	
<b>CONTRACT SERVICES</b>						0.00		0%	
<b>SUMMARY:</b>									
<b>TOTAL DAILY COST</b>						1,693.76			
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						48	<i>hours</i>		
<b>UNIT COST (\$/UNIT)</b>						35.29			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>CHEMICAL VEGETATION CONTROL--MECH</i>											
		<b>ACTIVITY CODE:</b> 721 (542.721)											
<b>ACTIVITY DESCRIPTION:</b> <i>Control of roadside vegetation using chemicals applied from a spray truck</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
		X	X	X	X	X	X	X	X	X	X		
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required to control roadside vegetation</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Wear all necessary protective clothing</li> <li>2. Read and follow label instructions</li> <li>3. Mix chemicals properly</li> <li>4. Place safety signs and devices</li> <li>5. Apply chemicals to appropriate areas, avoiding "no spray" areas</li> <li>6. Record appropriate data</li> <li>7. Remove safety signs and devices</li> </ol>								
L203	<i>Maint Worker III</i>		<i>1</i>										
L202	<i>Maint Worker II</i>		<i>1</i>										
<b>EQUIPMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
E122	<i>Spray truck</i>		<i>1</i>										
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
M393	<i>spray materials</i>		<i>100</i>										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
<i>12</i>		<i>shoulder miles</i>				<i>shoulder</i>		<i>miles</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>CHEMICAL VEGETATION CONTROL--MECH</i>							
		<b>ACTIVITY CODE:</b> 721							
		<b>MEASUREMENT UNIT:</b> <i>shoulder miles</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
L202	Maint Worker II	1	8	22.36		178.88			
<b>CREW TOTAL</b>		2	16			408.00		21%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E122	Spray truck	1	8	45.00		360.00			
<b>EQUIPMENT TOTAL</b>		1	8			360.00		18%	

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M393	spray materials	100	12.00			1,200.00		
<b>MATERIALS TOTAL</b>		100	12.00			1,200.00		61%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,968.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			12	<i>shoulder miles</i>
<b>UNIT COST (\$/UNIT)</b>			164.00	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>CHEMICAL VEGETATION CONTROL--MANUAL</i>											
		<b>ACTIVITY CODE:</b> 722 (542.722)											
<b>ACTIVITY DESCRIPTION:</b> <i>Control of roadside vegetation using chemicals applied manually</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
			X	X	X	X	X	X	X	X	X		
<b>SCHEDULING CONSIDERATIONS:</b> <i>Control of roadside vegetation using chemicals applied manually</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		1. Wear all necessary protective clothing 2. Read and follow label instructions 3. Mix chemicals properly 4. Place safety signs and devices 5. Apply chemicals to appropriate areas, avoiding "no spray" areas 6. Record appropriate data 7. Remove safety signs and devices									
L203	Maint Worker III	1											
L202	Maint Worker II	1											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E122	Spray truck	1											
E123	Backpack spray unit	1											
E102	Pickup	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M393	spray materials	50											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
16		hours				shoulder		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>							
		<b>ACTIVITY NAME:</b> <i>CHEMICAL VEGETATION CONTROL--MANUAL</i>							
		<b>ACTIVITY CODE:</b> 722							
		<b>MEASUREMENT UNIT:</b> <i>hours</i>							

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	1	8	28.64		229.12			
L202	Maint Worker II	1	8	22.36		178.88			
<b>CREW TOTAL</b>		2	16			408.00		29%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E122	Spray truck	1	8	45.00		360.00			
E123	Pickup	1	8	4.00		32.00			
E102	Backpack sprayer	1	8	3.00		24.00			
<b>EQUIPMENT TOTAL</b>		3	24			416.00		29%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M393	spray material	50	12.00			600.00		
<b>MATERIALS TOTAL</b>		50	12.00			600.00		42%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,424.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			16	<i>hours</i>
<b>UNIT COST (\$/UNIT)</b>			89.00	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>LANDSCAPE MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> <i>731 (542.731)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Maintenance of landscaped area</i>													
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	
			X	X	X	X	X	X	X	X			
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		1. Perform as needed in landscaped areas 2. Establish work area control to protect public 3. Wear appropriate eye and ear protection 4. Clean work area and dispose of debris								
L202	<i>Maint Worker II</i>		4										
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
E102	<i>Pickup</i>		2										
	<i>Hand tools</i>												
						<b>REFERENCE AND SAFETY</b>							
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>										
M391	<i>Misc materials</i>		60										
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
32		<i>hours</i>				<i>shoulder</i>		<i>miles</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>LANDSCAPE MAINTENANCE</i>									
	<b>ACTIVITY CODE:</b> <i>731</i>									
	<b>MEASUREMENT UNIT:</b> <i>hours</i>									

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L202	<i>Maint Worker II</i>	4	8	23		736.00			
						0.00			
	<b>CREW TOTAL</b>	4	8			736.00		87%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E102	<i>Pickup</i>	2	8	4.00		64.00			
	<b>EQUIPMENT TOTAL</b>	2	8			64.00		8%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	<i>Misc materials</i>	50	1.00			50.00		
	<b>MATERIALS TOTAL</b>	50	1.00			50.00		6%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>							
<b>TOTAL DAILY COST</b>						850.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						32	<i>hours</i>
<b>UNIT COST (\$/UNIT)</b>						26.56	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>LITTER CONTROL</i>											
		<b>ACTIVITY CODE:</b> <i>751 (542.751)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Control of litter along roadside</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Place safety signs and devices</li> <li>2. Begin litter pickup at designated location</li> <li>3. Be aware of traffic and safety</li> <li>4. Remove collected debris and litter</li> </ol>									
L202	Maint Worker II	2											
	(work release crew)												
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E102	Pickup	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	Misc materials	40											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>				<b>UNIT</b>		<b>CODE</b>			
16		hours		shoulder				miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>LITTER CONTROL</i>									
	<b>ACTIVITY CODE:</b> <i>751</i>									
	<b>MEASUREMENT UNIT:</b> <i>hours</i>									


PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E202	Maint Worker II	2	8	23		368.00			
<b>CREW TOTAL</b>		2	8			368.00		84%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L102	Pickup	1	8	4.00		32.00			
<b>EQUIPMENT TOTAL</b>		1	8			32.00		7%	

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	Misc materials	40	1.00			40.00		
<b>MATERIALS TOTAL</b>		40	1.00			40.00		9%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>							
<b>TOTAL DAILY COST</b>						440.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						16	hours
<b>UNIT COST (\$/UNIT)</b>						27.50	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>SLOPE REPAIR</i>											
		<b>ACTIVITY CODE:</b> <i>761 (542.761)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Repair and dressing of slopes</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
			X	X	X	X					X	X	
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Place safety signs and devices</li> <li>2. Check for location of underground utilities</li> <li>3. Grade and contour as necessary</li> <li>4. Avoid undercutting slopes</li> <li>5. Load and haul waste to disposal site</li> <li>6. Clean work area</li> <li>7. Remove safety signs and devices</li> </ol>									
L203	<i>Maint Worker III</i>	2											
L202	<i>Maint Worker II</i>	2											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E114	<i>Excavator/Backhoe</i>	1											
E103	<i>Dump truck</i>	1											
E102	<i>Pickup</i>	1											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M301	<i>crushed rock</i>	10											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
32		hours				shoulder		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			



	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>SLOPE REPAIR</i>									
	<b>ACTIVITY CODE:</b> <i>761</i>									
	<b>MEASUREMENT UNIT:</b> <i>hours</i>									

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L203	Maint Worker III	2	8	28.64		458.24			
L202	Maint Worker II	2	8	22.36		357.76			
<b>CREW TOTAL</b>		4	16			816.00		50%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E114	Excavator	1	8	45.00		360.00			
E102	Pickup	1	8	4.00		32.00			
E103	Dump Truck	1	8	21.00		168.00			
<b>EQUIPMENT TOTAL</b>		3	24			560.00		35%	


MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M301	crushed rock	20	12.00			240.00		
<b>MATERIALS TOTAL</b>		20	12.00			240.00		15%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,616.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			32	hours
<b>UNIT COST (\$/UNIT)</b>			50.50	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>OTHER ROADSIDE MAINTENANCE</i>											
		<b>ACTIVITY CODE:</b> <i>790 (542.790)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Other maintenance activities required along road right-of-way</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>				1. Place safety signs and devices 2. Check for location of underground utilities 3. Perform work as necessary 4. Clean work area 5. Remove safety signs and devices							
L203	<i>Maint Worker III</i>	2											
L202	<i>Maint Worker II</i>	2											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E102	<i>Pickup</i>	1											
E103	<i>Dump truck</i>	1											
E114	<i>Excavator</i>	1											
<b>REFERENCE AND SAFETY</b>													
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
M391	<i>Misc materials</i>	40											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>MAINTENANCE FEATURE INVENTORY</b>							
<b>QUANTITY</b>		<b>WORK UNIT</b>				<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>			
32		hours				shoulder		miles					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>								
	<b>ACTIVITY NAME:</b> <i>OTHER ROADSIDE MAINTENANCE</i>								
	<b>ACTIVITY CODE:</b> 790								
	<b>MEASUREMENT UNIT:</b> <i>hours</i>								

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E204	Maint Worker III	2	8	28.64		458.24			
E202	Maint Worker II	2	8	22.36		357.76			
<b>CREW TOTAL</b>		4	16			816.00		58%	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E114	Excavator	1	8	45.00		360.00			
E102	Pickup	1	8	4.00		32.00			
E103	Dump Truck	1	8	21.00		168.00			
<b>EQUIPMENT TOTAL</b>		3	24			560.00		40%	

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
M391	Misc materials	40	1.00			40.00		
<b>MATERIALS TOTAL</b>		40	1.00			40.00		3%

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>				
<b>TOTAL DAILY COST</b>			1,416.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>			32	<i>hours</i>
<b>UNIT COST (\$/UNIT)</b>			44.25	

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
	<b>ACTIVITY NAME:</b> <i>ANCILLARY OPERATIONS</i>											
	<b>ACTIVITY CODE:</b> <i>800 (542.800)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Other maintenance activities including work on ferries, docks, moveable bridges or work performed for other departments/agencies</i>												
<b>MONTHLY SCHEDULE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
	X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>												
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>						
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>		<ol style="list-style-type: none"> <li>1. Determine specific activity to be performed and location(s)</li> <li>2. Identify necessary labor, equipment and materials to complete activity</li> <li>3. Place safety signs as needed</li> <li>4. Follow safety procedures</li> <li>5. Adhere to any special requirements for type of activity and corodinate with other agencies as needed</li> </ol>							
L203	<i>Maint Worker III</i>		<i>1</i>									
L202	<i>Maint Worker II</i>		<i>1</i>									
<b>EQUIPMENT</b>												
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>									
E102	<i>Pickup</i>		<i>1</i>									
<b>MATERIALS</b>												
<b>CODE</b>	<b>CLASS</b>		<b>QTY</b>									
M391	<i>Misc materials</i>		<i>40</i>									
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<b>REFERENCE AND SAFETY</b>						
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>		<b>UNIT</b>		<b>CODE</b>				
<i>16</i>		<i>hours</i>		<i>year</i>		<i>one</i>						
<b>PLANNING GUIDELINE APPROVAL</b>												
<b>BY:</b>					<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>ANCILLARY OPERATIONS</i>									
	<b>ACTIVITY CODE:</b> <i>800</i>									
	<b>MEASUREMENT UNIT:</b> <i>hours</i>									


PERSONNEL/CREW COSTS					HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS		RATE		COST		COST	
L203	Maint Worker III	1	8		28.64		229.12			
L202	Maint Worker II	1	8		22.36		178.88			
<b>CREW TOTAL</b>		2	16				408.00		85%	

EQUIPMENT					HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS		RATE		COST		COST	
E102	Pickup	1	8		4.00		32.00			
<b>EQUIPMENT TOTAL</b>		1	8				32.00		7%	

MATERIALS			UNIT					% TOTAL	
CODE	CLASS	QTY	COST			COST		COST	
M391	Misc materials	40	1.00			40.00			
<b>MATERIALS TOTAL</b>		40	1.00			40.00		8%	

<b>CONTRACT SERVICES</b>						0.00		0%	
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<b>SUMMARY:</b>							
<b>TOTAL DAILY COST</b>						480.00	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						16	hours
<b>UNIT COST (\$/UNIT)</b>						30.00	

		<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>MAINTENANCE ACTIVITY PLANNING GUIDELINE</b>											
		<b>ACTIVITY NAME:</b> <i>MAINTENANCE ADMINISTRATION</i>											
		<b>ACTIVITY CODE:</b> <i>910 (542.910)</i>											
<b>ACTIVITY DESCRIPTION:</b> <i>Administrative activities related to maintenance operations.</i>													
<b>MONTHLY SCHEDULE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
		X	X	X	X	X	X	X	X	X	X	X	X
<b>SCHEDULING CONSIDERATIONS:</b> <i>As required</i>													
<b>PERSONNEL</b>						<b>WORK CONSIDERATIONS</b>							
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E209	<i>Supt/Supv/Mgr</i>	<i>1</i>											
<b>EQUIPMENT</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
E102	<i>Pickup</i>	<i>1</i>											
<b>MATERIALS</b>													
<b>CODE</b>	<b>CLASS</b>	<b>QTY</b>											
<b>AVERAGE DAILY ACCOMPLISHMENT</b>				<b>REFERENCE AND SAFETY</b>									
<b>QUANTITY</b>		<b>WORK UNIT</b>		<b>FEATURE</b>				<b>UNIT</b>		<b>CODE</b>			
<i>8 hours</i>				<i>year</i>				<i>one</i>					
<b>PLANNING GUIDELINE APPROVAL</b>													
<b>BY:</b>						<b>EFFECTIVE DATE:</b>				<b>PREV:</b>			

	<b>WASHINGTON COUNTIES</b> <b>Maintenance Management</b> <b>ACTIVITY COSTING -- STANDARD DAILY COSTS</b>									
	<b>ACTIVITY NAME:</b> <i>MAINTENANCE ADMINISTRATION</i>									
	<b>ACTIVITY CODE:</b> <i>910</i>									
	<b>MEASUREMENT UNIT:</b> <i>hours</i>									

PERSONNEL/CREW COSTS				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
L206	<i>Sup/Supv/Mgr</i>	<i>1</i>	<i>8</i>	<i>31</i>		<i>248.00</i>			
<b>CREW TOTAL</b>		<i>1</i>	<i>8</i>			<i>248.00</i>		<i>89%</i>	

EQUIPMENT				HOURLY				% TOTAL	
CODE	CLASS	QTY	HOURS	RATE		COST		COST	
E102	<i>Pickup</i>	<i>1</i>	<i>8</i>	<i>4.00</i>		<i>32.00</i>			
						<i>0.00</i>			
						<i>0.00</i>			
						<i>0.00</i>			
						<i>0.00</i>			
						<i>0.00</i>			
<b>EQUIPMENT TOTAL</b>		<i>1</i>	<i>8</i>			<i>32.00</i>		<i>11%</i>	

MATERIALS			UNIT				% TOTAL	
CODE	CLASS	QTY	COST			COST		COST
						<i>0.00</i>		
<b>MATERIALS TOTAL</b>		<i>0</i>	<i>0.00</i>			<i>0.00</i>		<i>0%</i>

<b>CONTRACT SERVICES</b>						<i>0.00</i>		<i>0%</i>	
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<b>SUMMARY:</b>							
<b>TOTAL DAILY COST</b>						<i>280.00</i>	
<b>AVERAGE DAILY ACCOMPLISHMENT</b>						<i>8</i>	<i>hours</i>
<b>UNIT COST (\$/UNIT)</b>						<i>35.00</i>	